| Master of Science in Engineering and Technology Management | | | | | |
|---|---|---|---|---|---|
| Engineering Management Concentration | | | Management of Technology Concentration | | |
| Core Courses | | 24 | Core Courses | | 6 |
| EMGT 507 | Engineering Administration | | EMGT 518 | Project Management | |
| EMGT 509 | Economics and Decision Making | | INEN 514 | Statistical Analysis for Six Sigma | |
| EMGT 518 | Project Management | | | | |
| EMGT 525 | Engineering Finance | | Quantitative Analysis and Management (Pick 3 Courses) | | 9 |
| INEN 502 | Operations Research Methods | | EMGT 507 | Engineering Administration | |
| INEN 505 | Manufacturing and Operations Analysis | | EMGT 509 | Economics and Decision Making | |
| INEN 511 | Theory and Application of Lean Manufacturing and Management | | EMGT 525 | Engineering Finance | |
| INEN 514 | Statistical Analysis for Six Sigma | | INEN 502 | Operations Research Methods | |
| | | | INEN 504 | Simulation | |
| Electives (Pick 3 Courses) | | 9 | INEN 505 | Manufacturing and Operations Analysis | |
| BUSN 501 | Global Perspectives in Business Management | | INEN 520 | Six Sigma Black Belt Project | |
| CIS 510 | Information Resource Management | | INEN 566 | Six Sigma and Quality Control | |
| CIS 521 | Introduction to Information System Assurance | | MGMT 537 | Human Resource Management | |
| ENTR 501 | Technology Transfer and Commercialization | | MGMT 571 | Organizational Behavior | |
| ENTR 510 | Entrepreneurship and New Venture Creation | | PSYC 513 | Organizational Psychology | |
| ENTR 560 | Innovative Venture Research | | PSYC 516 | Industrial Psychology | |
| INEN 504 | Simulation | | STAT 507 | Design and Analysis of Experiments | |
| INEN 512 | Reliability Engineering | | | | |
| INEN 515 | Logistics Planning | | Science, Engineering, and Entrepreneurship (Pick 3 Courses) | | 9 |
| INEN 520 | Six Sigma Black Belt Project | | ELEN 535 | Advanced Topics in Microelectronics | |
| INEN 566 | Six Sigma and Quality Control | | ELEN 581 | Semiconductor Technology Management | |
| MGMT 537 | Human Resource Management | | ELEN 582 | Micro/Nanotechnology Management | |
| MGMT 571 | Organizational Behavior | | ENGR 554 | Modern Energy Grand Challenges | |
| MKTG 530 | Marketing Management | | ENTR 501 | Technology Transfer and Commercialization | |
| PSYC 513 | Organizational Psychology | | ENTR 510 | Entrepreneurship and New Venture Creation | |
| PSYC 516 | Industrial Psychology | | ENTR 560 | Innovative Venture Research | |
| PSYC 523 | Leadership Decision Making | | MSE 501 | Fundamentals of Microfabrication Processes | |
| STAT 507 | Design and Analysis of Experiments | | MSE 502 | Microsystems Principles | |
| | Other electives approved by advisor | | MSE 505 | Nanotechnology Principles | |
| | | | MSNT 518 | Molecular Biotechnology | |
| | | | | Other technical electives approved by advisor | |
| | | | | | |
| | | | Elective (Pick 3 Courses) | | 9 |
| | | | ACCT 505 | Accounting Analysis and Decision Making | |
| | | | BUSN 501 | Global Perspectives in Business Management | |
| | | | CIS 510 | Information Resource Management | |
| | | | CIS 521 | Introduction to Information System Assurance | |
| | | | FINC 515 | Financial Management | |
| | | | INEN 511 | Theory and Application of Lean Manufacturing and Management | |
| | | | INEN 512 | Reliability Engineering | |
| | | | INEN 515 | Logistics Planning | |
| | | | MKTG 530 | Marketing Management | |
| | | | PSYC 523 | Leadership Decision Making | |
| | | | | Other electives approved by advisor | |
| | | | | | |
| | Total | 33 | | Total | 33 |

# Master of Science in Engineering and Technology Management

| Construction Concentration | | | Data Science Concentration | | |
|---|---|---|---|---|---|
| Core Courses | | 6 | Core Courses | | 6 |
| EMGT 518 | Project Management | | EMGT 518 | Project Management | |
| INEN 514 | Statistical Analysis for Six Sigma | | INEN 514 | Statistical Analysis for Six Sigma | |
| | | | | | |
| Quantitative Analysis and Management (Pick 4 Courses) | | 12 | Quantitative Analysis and Management (Pick 4 Courses) | | 12 |
| EMGT 507 | Engineering Administration | | EMGT 507 | Engineering Administration | |
| EMGT 509 | Economics and Decision Making | | EMGT 509 | Economics and Decision Making | |
| EMGT 525 | Engineering Finance | | EMGT 525 | Engineering Finance | |
| INEN 502 | Operations Research Methods | | INEN 502 | Operations Research Methods | |
| INEN 504 | Simulation | | INEN 504 | Simulation | |
| INEN 505 | Manufacturing and Operations Analysis | | INEN 505 | Manufacturing and Operations Analysis | |
| INEN 520 | Six Sigma Black Belt Project | | INEN 520 | Six Sigma Black Belt Project | |
| INEN 566 | Six Sigma and Quality Control | | INEN 566 | Six Sigma and Quality Control | |
| MGMT 537 | Human Resource Management | | MGMT 537 | Human Resource Management | |
| MGMT 571 | Organizational Behavior | | MGMT 571 | Organizational Behavior | |
| PSYC 513 | Organizational Psychology | | PSYC 513 | Organizational Psychology | |
| PSYC 516 | Industrial Psychology | | PSYC 516 | Industrial Psychology | |
| STAT 507 | Design and Analysis of Experiments | | STAT 507 | Design and Analysis of Experiments | |
| | | | | | |
| Construction and Civil (Pick 3 Courses) | | 9 | Data Science (Pick 3 Courses) | | 9 |
| CVEN 502 | Infrastructure Management | | CSC 530 | Database Theory | |
| CVEN 503 | Urban Hydrosystems Engineering | | STAT 509 | Statistical Learning | |
| CVEN 505 | Buried Structures - Rehab and Management | | Select one of the following two courses | | |
| CVEN 506 | Above Ground Structures: Assessment and Rehabilitation | | CSC 576 | Data Analytics Tools and Applications | |
| CVEN 542 | Sustainable Construction | | INEN 521 | Introduction to Cognitive Systems Engineering | |
| CVEN 580 | Trenchless Technology | | | Other technical electives approved by advisor | |
| MEMT 508 | Finite Element Analysis | | Elective (Pick 2 Courses) | | 6 |
| | Other technical electives approved by advisor | | ACCT 505 | Accounting Analysis and Decision Making | |
| | | | BUSN 501 | Global Perspectives in Business Management | |
| Elective (Pick 2 Courses) | | 6 | CIS 510 | Information Resource Management | |
| ACCT 505 | Accounting Analysis and Decision Making | | CIS 521 | Introduction to Information System Assurance | |
| BUSN 501 | Global Perspectives in Business Management | | FINC 515 | Financial Management | |
| CIS 510 | Information Resource Management | | INEN 511 | Theory and Application of Lean Manufacturing and Management | |
| CIS 521 | Introduction to Information System Assurance | | INEN 512 | Reliability Engineering | |
| FINC 515 | Financial Management | | INEN 515 | Logistics Planning | |
| INEN 511 | Theory and Application of Lean Manufacturing and Management | | MKTG 530 | Marketing Management | |
| INEN 512 | Reliability Engineering | | PSYC 523 | Leadership Decision Making | |
| INEN 515 | Logistics Planning | | | Other electives approved by advisor | |
| MKTG 530 | Marketing Management | | | | |
| PSYC 523 | Leadership Decision Making | | | | |
| | Other electives approved by advisor | | | | |
| | | | | | |
| | Total | 33 | | Total | 33 |
| | | | | | |
| | | | | | |
| | | | | | |
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| | bhegab@latech.edu | | | | |
| Date: | March 29, 2021 | | | | |